

## **WHAT IS CLAIMED IS:**

1. A route searching method in a navigation system for searching a route from a starting point to a destination and calculating a route low in aggregate cost in consideration of cost per section, the method comprising:  
5       designating a preferable transit region desired by a user to pass through on a map; and  
          establishing a cost of the preferable transit region designated by the user to a low cost.
2. The method as defined in claim 1, wherein the preferable transit region  
10       designated by the user is a particular domain on a map.
3. The method as defined in claim 2, wherein the particular domain is a circular area of an established distance about a point designated by a user.
4. The method as defined in claim 2, wherein the particular domain is a perfect square area of an established distance about a point designated by a user.
- 15   5. The method as defined in claim 2, wherein the particular domain is a cell designated as a domain of the preferable transit region when one of the plurality of cells indicated by a user pre-set and divided on a map is selected.
6. The method as defined in claim 1, wherein the preferable transit region designated by a user is a road on a map.
- 20   7. The method as defined in claim 6, wherein the desired road is selected and designated by a user out of a road list.
8. The method as defined in claim 1, wherein the step of establishing to lower the cost of the preferable transit region is to uniformly reduce a cost of a region selected by a user.

9. The method as defined in claim 1, wherein the step of establishing to lower the cost of the preferable transit region is to increase costs of other regions than the preferable transit region selected by a user to relatively reduce a cost of the preferable transit region.

5 10. The method as defined in claim 1, wherein the step of establishing to lower the cost of the preferable transit region is to reduce costs step-by-step towards a center from surrounding areas of the region selected by a user.

11. The method as defined in claim 1, wherein the step of establishing to lower the cost of the preferable transit region is to reduce costs of the preferable transit region  
10 step-by-step as the preferable transit region designated by a user is being approached.